Human/Mouse/Rat JIP1 Antibody

Antigen Affinity-purified Polyclonal Sheep IgG

Catalog Number: AF4366

DESCRIPTION

Species Reactivity	Human/Mouse/Rat
Specificity	Detects endogenous human, mouse, and rat JIP1 in Western blots.
Source	Polyclonal Sheep IgG
Purification	Antigen Affinity-purified
Immunogen	*E. coli*-derived recombinant human JIP1 Met531-Asp666 Accession # Q6NUQ9
Formulation	Lyophilized from a 0.2 μm filtered solution in PBS with Trehalose. See Certificate of Analysis for details. *Small pack size (-SP) is supplied either lyophilized or as a 0.2 μm filtered solution in PBS.

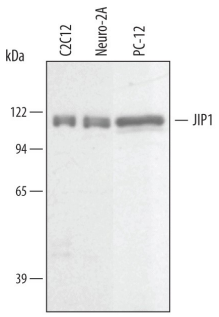
APPLICATIONS

Please Note: *Optimal dilutions should be determined by each laboratory for each application. General Protocols are available in the Technical Information section on our website.*

	Recommended Concentration	Sample
Western Blot	1 µg/mL	See Below

DATA

Western Blot



Detection of Mouse and Rat JIP1 by Western Blot. Western blot shows lysates of C2C12 mouse myoblast cell line, Neuro-2A mouse neuroblastoma cell line, and PC-12 rat adrenal pheochromocytoma cell line. PVDF membrane was probed with 1 µg/mL of Human/Mouse/Rat JIP1 Antigen Affinity-purified Polyclonal Antibody (Catalog # AF4366) followed by HRP-conjugated Anti-Sheep IgG Secondary Antibody (Catalog # HAF016). Specific bands were detected for JIP1 at approximately 105 to 115 kDa (as indicated). This experiment was conducted under reducing conditions and using Immunoblot Buffer Group 1.

PREPARATION AND STORAGE

Reconstitution	Reconstitute at 0.2 mg/mL in sterile PBS.
Shipping	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below. *Small pack size (-SP) is shipped with polar packs. Upon receipt, store it immediately at -20 to -70 °C
Stability & Storage	**Use a manual defrost freezer and avoid repeated freeze-thaw cycles.** ● 12 months from date of receipt, -20 to -70 °C as supplied. ● 1 month, 2 to 8 °C under sterile conditions after reconstitution. ● 6 months, -20 to -70 °C under sterile conditions after reconstitution.

BACKGROUND

JNK-interacting proteins (JIPs) comprise a family of four scaffolding proteins that tether and assemble components of the JNK signaling cascade. JIP1, also known as islet-brain 1 (IB1) and mitogen-activated protein kinase 8-interacting protein 1 (MAPK8IP1), contains an N-terminal JNK-binding domain, and C-terminal MLK- and MKK7-binding domains. JIP1 is ubiquitously expressed, with highest levels in brain and in pancreatic β-cells. Mice lacking JIP1 are resistant to diet-induced obesity and show reduced diet-induced insulin resistance.

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